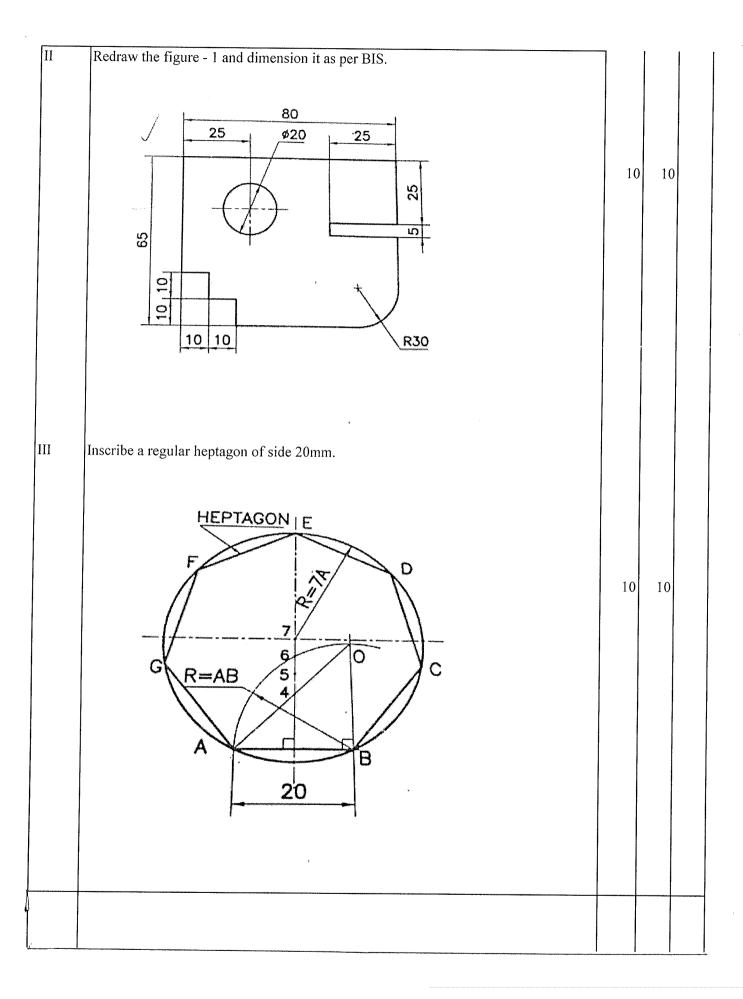
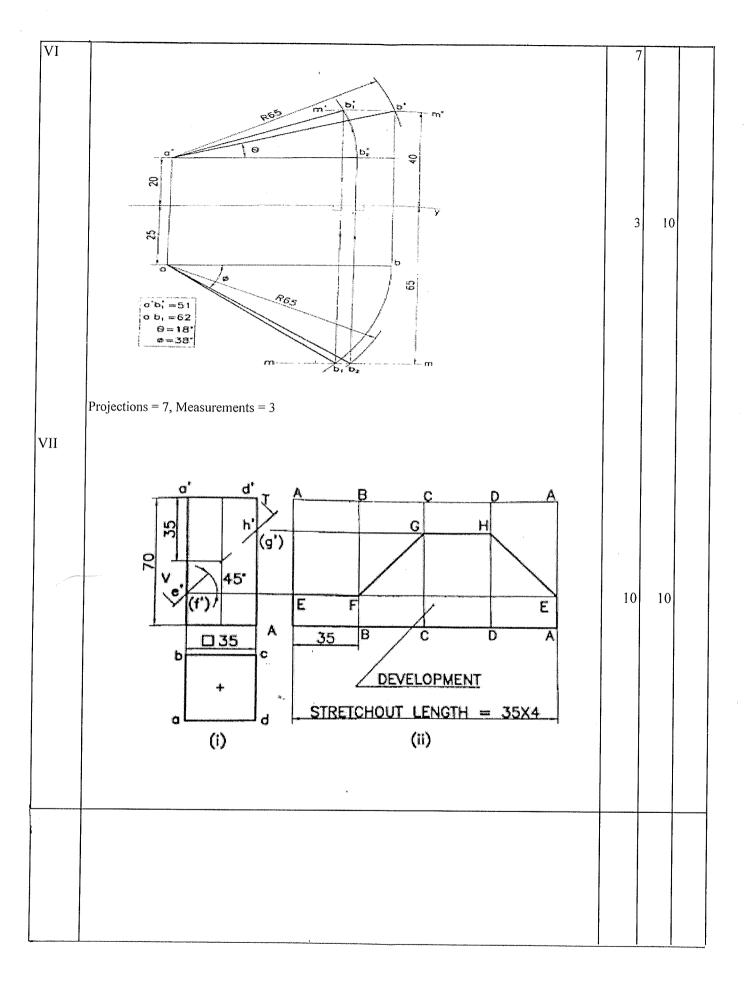
| Course | on: 2015 e Title :ENGINEERING GRAPHICS | Cou | rse Co 2005 | ode : |
|----------------|--|-------------|----------------|-------|
| Qst. N | | Split | Sub | Tota |
| Δ21. 14 | | up score | Tota | 1 |
| (1) | PART A Write the name of any two types of lines used in engineering drawings Continous thick, Continous thin, Dashed thick, Dashed thin, Chain thick. | 2 | 2 | - |
| (2) | Draw any two methods to indicate the dimension of radius on an arc. | 2 | 2 | |
| a a | (a) (b) (c) (c) (c) | | | |
| | (d) (e) (f) R5 | | | |
| | (K) (W) (U) | | | 10 |
| 3) | Define eccentricity of conic section The ratio of distance of the point P from the focus F divided by its prependicular distance from the directix D is called eccentricity. | 2 | 2 | |
| 4) | Explain development of surface and pattern. The process of unfolding all the surface of an object on a plane is called development of surfaces. The form of object thus obtained on the plane is called . pattern | 2 | 2 | |
| | Write any four commands used in Auto CAD. Commands-draw commands- line, circle, arc, ellipse, polygon, hatch, modify, erase, move, rotate, copy, mirror, break ,trim, extent, scale, stretch, array fillet, chamfer, offset etc | 2 | 2 | |



| IV | Draw a plain scale of 1cm = 5m meters and show on it 37 meters. | 1 1 | |
|----|---|-----|----|
| | 1. Representative fraction, | 2 | |
| | $R.F. = \frac{Distance \text{ on drawing}}{Distance \text{ on object}}$ $= \frac{1 \text{ cm}}{5 \text{ cm}} = \frac{1 \text{ cm}}{5 \text{ x } 100 \text{ cm}} = \frac{1}{500}$ 2. Length of the scale required $= R.F. \text{ x length to be measured}$ $= \frac{1 \times 40 \times 1000}{500} \text{ mm}$ $= 80 \text{mm}$ | 2 | |
| | 3:7 m D A 10 10 20 310 METRES B R.F. = 1/500 | 6 | 10 |
| V | RF= 2, length of scale=2, Drawing= 6 Draw the projections of the following points | | |
| | 35 r, | 10 | 10 |
| | | | |



| VIII | Draw the complete development of an elbow shown in figure - 2 | | | |
|------|---|----|----|----|
| | DEVELOPMENT BO B B B B DEVELOPMENT TX50 | 10 | 10 | 50 |
| IX | 20 P P P P P P P P P P P P P P P P P P P | 20 | 20 | |
| | 2XØ16 140 (ii) ORTHOGRAPHIC VIEWS TOP VIEW | | | |
| | Views =15, Dimension = 3, Neatness = 2 | | | |

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